CLAIMS

1. A display device for a domestic electric heating apparatus, said electric heating apparatus having at least one heating device being subdivided into several flat heating areas, wherein said several flat heating areas can be activated at least partly independently of one another and/or singly for heating operation, said display device optically displaying said heating operation or said activation of said individual heating areas and has individually activatable illuminating devices, wherein said illuminating devices are constructed as separate segments of a geometrical basic shape such as a circle, rectangle or square and for each said display device there are two basic shapes of the same nature, but different size and with a concentric arrangement.

2. The display device according to claim 1, wherein there is provided at least one additional illuminating device with at least one segment, and is positioned laterally and with limited spacing alongside said basic shapes.

3. The display device according to claim 2, wherein said additional illuminating device is constructed in the manner of a half or half-divided basic shape of said aforementioned basic shapes.

4. The display device according to claim 2, wherein said additional, laterally positioned illuminating device is constructed in the same way with at least one segment and corresponding to one of said segments of said basic shapes.

5. The display device according to claim 1, wherein an additional, third, concentric, similar basic shape is provided, whose size differs from that of the two said basic shapes.

6. The display device according to claim 1, wherein said segments are constructed as angular portions of said basic shape either flat or linearly along their circumference.

7. The display device according to claim 6, wherein said segments extend over an angle of 90°.

8. The display device according to claim 1, wherein said segments are separated from one another by unilluminated bridges or separating areas.

9. The display device according to claim 1, wherein said illuminating devices are constructed in such a way that they represent heating devices of different sizes, as well as heating devices with heating areas positioned laterally alongside the same.

10. The display device according to claim 1, wherein light emitting means are provided for said illuminating devices, one said light emitting means illuminating at least one said segment.

11. The display device according to claim 10, wherein a single light emitting means illuminates two said segments in the manner of half a basic shape.

12. The display device according to claim 10, wherein said light emitting means are LEDs.

13. The display device according to claim 10, wherein said light emitting means have a body in segmental form, said light emitting means with said body forming one said illuminating device.

14. The display device according to claim 10, wherein said light emitting means are positioned beneath a mask or a cover having openings or transparent areas with the shape of said segments.

15. The display device according to claim 10, wherein light distributing or light conducting parts made from transparent or coloured plastic are positioned above said light emitting means.

16. The display device according to claim 8, being constructed as a module and has a casing with several electrical terminals for said light emitting means and a covering mask with openings corresponding to the shape of said segments.

17. The display device according to claim 8, wherein there is a module having openings or transparent areas corresponding to the shape of said segments, the module being fittable by means of separate light emitting means and is mechanically retained by the same.

18. The display device according to claim 1, wherein it is connected to a control and for each said heating device forming a cooking point there is one said display device and said control is constructed for representing the operation of said individual heating areas by means of said illuminating devices of said display device.

19. The display device according to claim 18, wherein said control has a printed circuit board which, in addition to circuitry components and electronics, has at least one said display device.

20. The display device according to claim 19, wherein, for each said heating device, said printed circuit board has at least one control element, alongside which there is one said display device.